



Section B:2

Analytical Services

(222-S, HASP, WSCF)

PROJECT MANAGERS

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SUMMARY

The Analytical Services (AS) Project [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of January 31, 2001. Other data is updated as noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, DOE-RL) shows no milestones are due.

NOTABLE ACCOMPLISHMENTS

A total of 0.58 Analytical Equivalency Unit (AEUs) were processed at the 222-S Laboratory in January in support of the River Protection Project (RPP) (TWRS) tank characterization program. Production through January was 3.45 AEUs versus a planned 3.7 AEUs. Production through February 9, 2001 was 3.57 AEUs.

The Waste Sampling and Characterization Facility (WSCF) performed 5,434 analyses through January 2001 for a wide variety of customers. Production through February 12, 2001 was 5,813 analyses.

Analytical Excellence Inc. completed the WSCF Comparability Study and a briefing was given to DOE-RL on January 31, 2001. The study has been transmitted to DOE-RL. FH Analytical Services will take each of the recommendations from this study and develop an implementation program, which will include work prioritization and correlation with existing work scope to identify if a Baseline Change Request is needed.

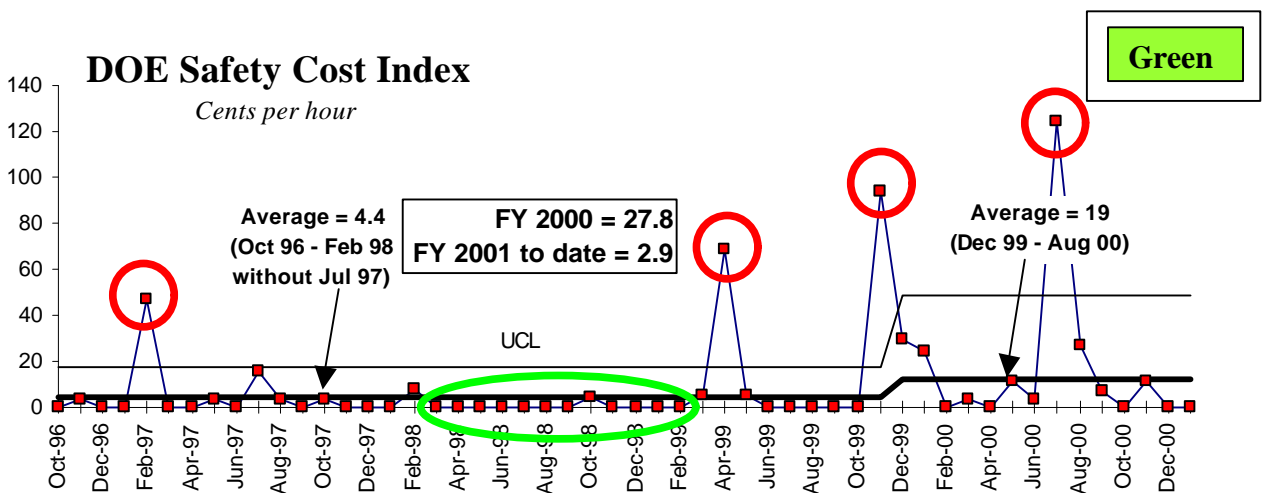
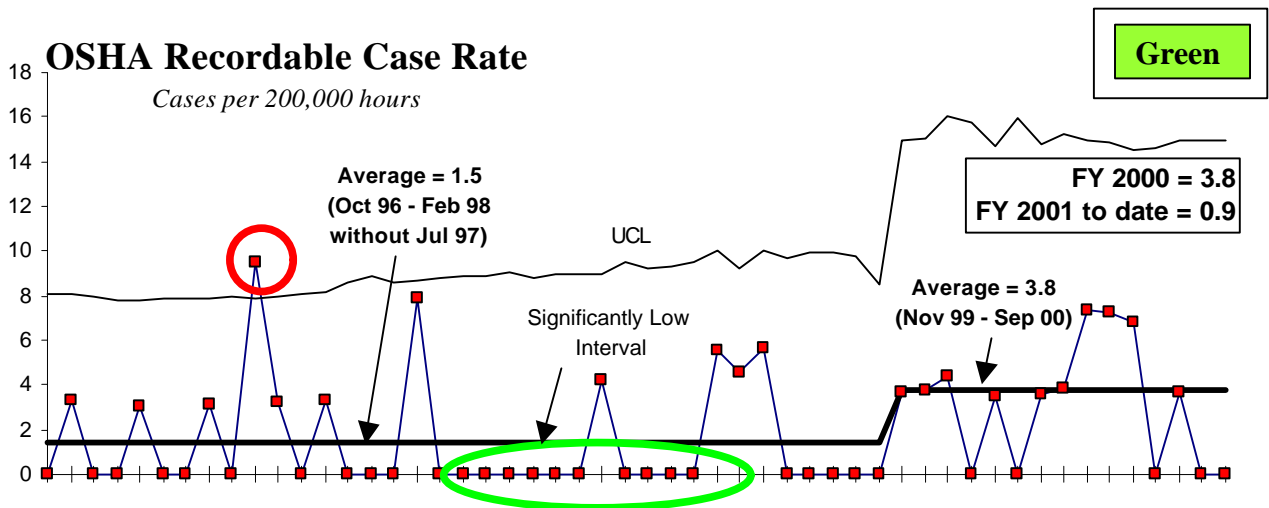
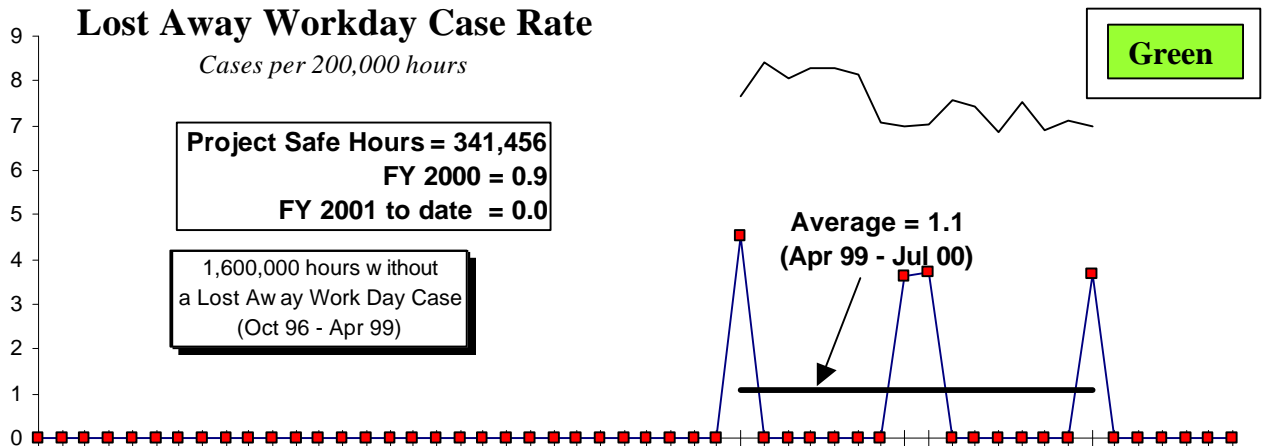
The contract for procurement of the Inductively Coupled Plasma Mass Spectrometer (ICP-MS) was awarded on February 8, 2001. As a result of the negotiation process, the cost of the equipment procurement was reduced by \$68K. Delivery is estimated to be 90 days from the contract award.

The Analytical Services web page was reviewed and approved by DOE-RL and placed under the Site Services section of the DOE-RL web page. The web page includes a mission statement, 222-S and WSCF Fact Sheets, and HASQARD.

SAFETY

There may be signs of an improvement in the OSHA recordable case rate. Three of the past four months have been at one standard deviation below average. If February comes in with zero cases, that will be a significant decrease.

Case 14096, from July 2000, gained a Lost Away workday in December 2000, ending the Fluor Hanford record at 11 million hours without a lost away workday. This case is still receiving Restricted Workdays and is driving up the Cost Index for July 2000.

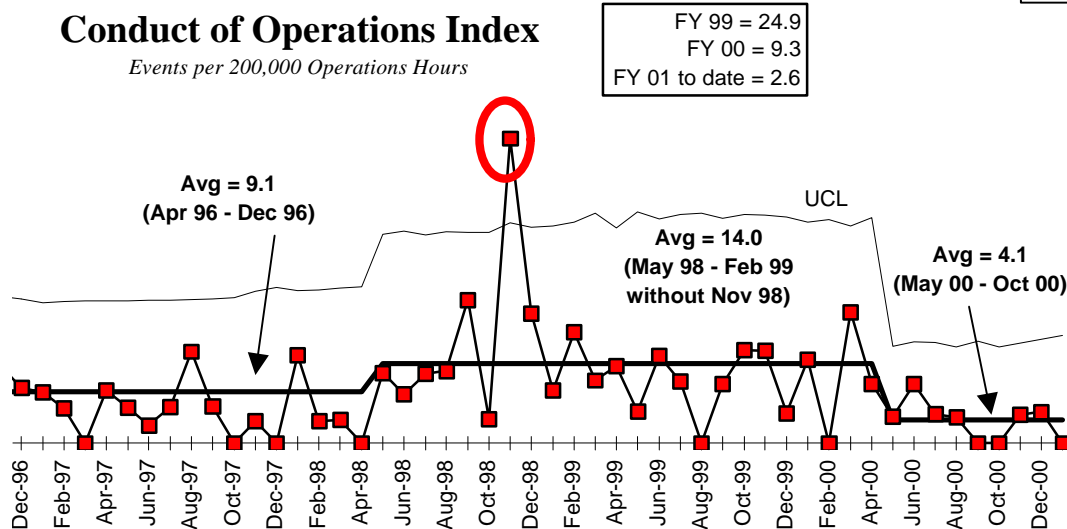


ISMS STATUS

Analytical Services ISMS status is included in the Waste Management Project Section of this report.

CONDUCT OF OPERATIONS

Green



BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT

Nothing to report at this time.

UPCOMING ACTIVITIES

WIPP Waste Shipments — Continue to support the production goal of headspace analysis in support of waste shipments to Waste Isolation Pilot Plant (WIPP). Continued discussions with Idaho National Engineering and Environmental Laboratory (INEEL) (located at Idaho Falls, ID) regarding possible support to the INEEL WIPP program.

ORP Waste Treatment Plant (WTP) — Support DOE-RL and Office of River Protection (ORP) efforts to evaluate options for long-term high-activity laboratory support to the Site cleanup mission (i.e. 222-S, WTP laboratory, a new laboratory, etc.).

Ecology Inspection of Collodion Recovery Actions — Support DOE-RL to assess impacts and respond to an Ecology close out letter, which will document potential violations and concerns from the Ecology inspection at 222-S and WSCF. Support the identification of any additional work scope imposed by the potential violations and concerns communicated by Ecology.

222-S RCRA Part B Application — Continue to support development of Modification F (which includes 222-S Part B application) of the Hanford Facility (HF) Resource Conservation and Recovery Act of 1976 (RCRA) Permit review. Support DOE-RL to provide additional information requested by Ecology.

Modification F will be issued after issuance of Modification E [which includes Waste Receiving and Processing (WRAP) and Central Waste Complex (CWC)].

PCB Management — Continue to work with RL and ORP on polychlorinated biphenyl (PCB) management and regulatory issues.

MILESTONE ACHIEVEMENT

Green

| MILESTONE TYPE | FISCAL YEAR-TO-DATE | | | | REMAINING SCHEDULED | | | TOTAL FY 2001 |
|-----------------------|---------------------|-----------------------------|-------------------|---------|---------------------|----------------------------|------------------|---------------------|
| | Completed Early | Completed On Schedule | Completed Late | Overdue | Forecast Early | Forecast On Schedule | Forecast Late | |
| Enforceable Agreement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DOE-HQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RL | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total Project | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |

Only TPA/EA milestones and all FY2001 overdue and forecast late milestones are addressed in this report. Milestones overdue are deleted from the Milestone Exception Report once they are completed. The following chart summarizes the FY2001 TPA/EA milestone achievement and a Milestone Exception Report follows.

| Tri-Party Agreement / EA Milestones |
|-------------------------------------|
| Nothing to report at this time. |
| DNFSB Commitments |
| Nothing to report at this time. |

MILESTONE EXCEPTION REPORT

| <u>Number/WBS</u> | <u>Level</u> | <u>Milestone Title</u> | <u>Baseline Date</u> | <u>Forecast Date</u> |
|-------------------|--------------|------------------------|----------------------|----------------------|
|-------------------|--------------|------------------------|----------------------|----------------------|

Overdue – 0

Forecast Late – 0

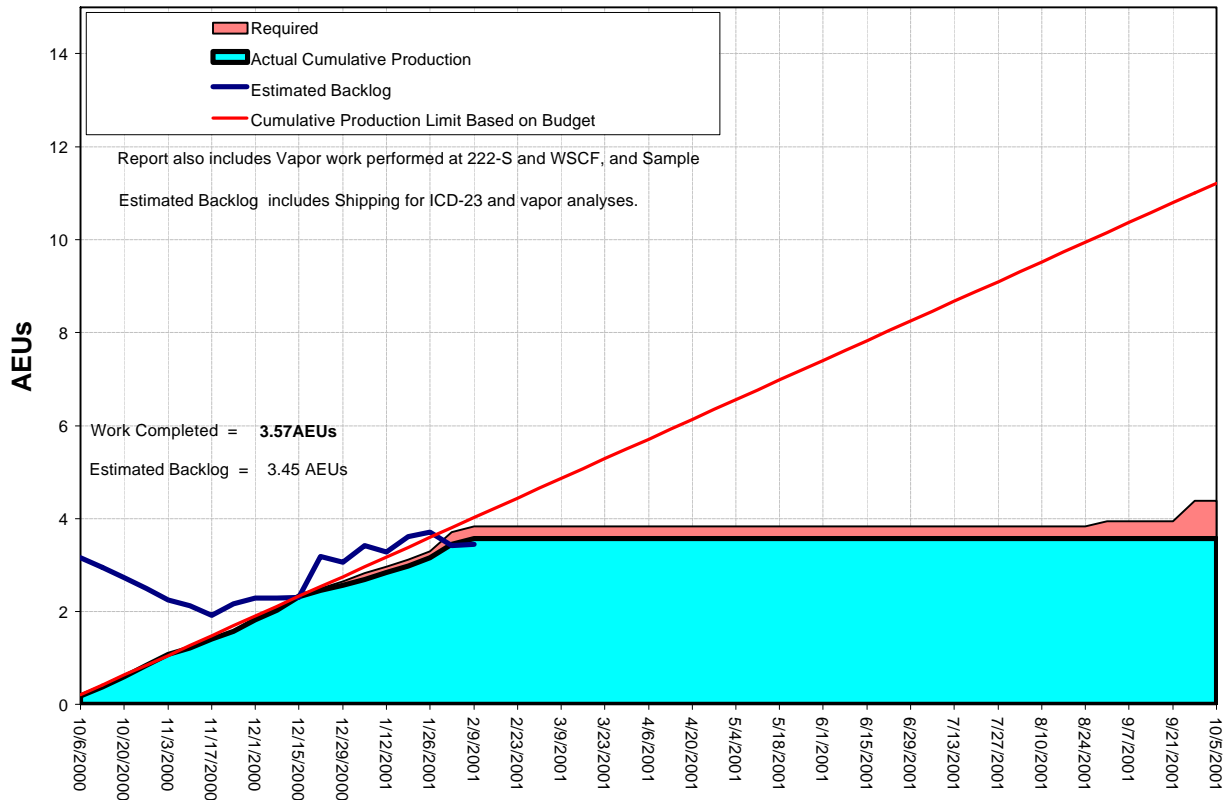
PERFORMANCE OBJECTIVES

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Laboratory Production

Budgeted Capacity vs. Actual Production - TW01

February 9, 2001



Processed a total of 0.58 Analytical Equivalency Unit (AEUs) at the 222-S Laboratory in January in support of the River Protection Project (RPP) (TWRS) tank characterization program. Production through January was 3.45 AEUs versus a planned 3.7 AEUs. Production through February 9, 2001 was 3.57 AEUs

FY 2001 SCHEDULE /COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

| | | FYTD | | | | | | | | | |
|--------------|------------|------------------|------------------|-----------------|-----------------|------------|---------------|-----------|------------------|------------------|--|
| By PBS | | BCWS | BCWP | ACWP | SV | % | CV | % | PEM | EAC | |
| WBS 1.2.4 | Analytical | \$ 10,278 | \$ 10,020 | \$ 9,519 | \$ (258) | -3% | \$ 501 | 5% | \$ 32,001 | \$ 31,803 | |
| PBS WM06 | Services | | | | | | | | | | |
| Total | | \$ 10,278 | \$ 10,020 | \$ 9,519 | \$ (258) | -3% | \$ 501 | 5% | \$ 32,001 | \$ 31,803 | |

Note: RL-Directed costs (steam and laundry) are included.

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.3 million (3 percent) unfavorable schedule variance is due to the 222-S HEPA filters. Facility shutdown will be necessary for the 222-S HEPA filter installation. Due to higher plant priorities, the shutdown will be scheduled for the April-May timeframe.

The \$0.5 million (5 percent) favorable cost variance is due to costing delays, lagging contract costs, delays in billings of assessments and staff vacancies.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.3M)

Analytical Services — 1.2.4/WM06

Description and Cause: The \$0.3 million (3 percent) unfavorable schedule variance was due to the 222-S HEPA filters.

Impact: None.

Corrective Action: Facility shutdown will be necessary for the 222-S HEPA filter installation. Due to higher plant priorities, the shutdown will be scheduled for the April-May timeframe.

Cost Variance Analysis: (+\$0.5M)

Analytical Services — 1.2.4/WM06

Description and Cause: The \$0.5 million (5 percent) favorable cost variance was due to costing delays, lagging contract costs, delays in billings of assessments and staff vacancies.

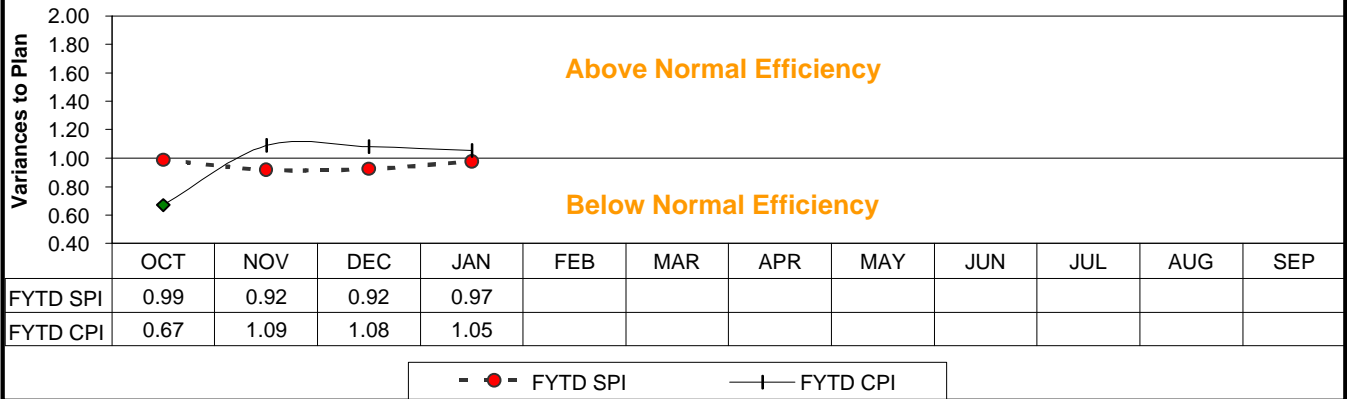
Impact: None.

Corrective Action: None required.

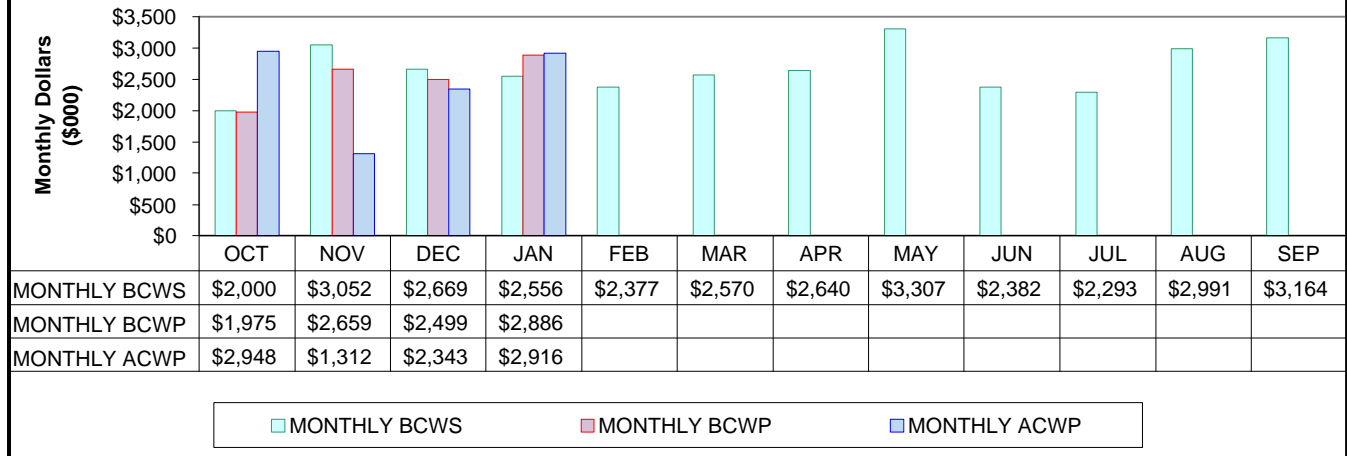
SCHEDULE / COST PERFORMANCE (MONTHLY AND FYTD)

Green

Fiscal Year to Date Performance Analysis



Monthly Performance Analysis



FUNDS MANAGEMENT — FY 2001 TO DATE

FUNDS VS SPENDING FORECAST (\$000)

| | Project Completion * | | | Post 2006 * | | | Line Items * | | |
|---|----------------------|------|----------|-------------|-----------|----------|--------------|------|----------|
| | Funds | FYSF | Variance | Funds | FYSF | Variance | Funds | FYSF | Variance |
| The Plateau | | | | | | | | | |
| 1.2.4 Analytical Svcs (222-S,HASP,WSCF) | | | | \$ 31,034 | \$ 31,745 | \$ (711) | | | |
| WM06 | | | | | | | | | |
| Line Item | | | | | | | | | |
| Total Analytical Serv. Operating | | | | \$ 31,034 | \$ 31,745 | \$ (711) | | | |
| Total Analytical Serv. Line Item | | | | | | | | | |

* Control Point

ISSUES

Technical Issues

Nothing to report at this time.

Regulatory Issues

Ecology Inspection of Collodion Recovery Actions —A close out letter from Ecology has been delayed by one to two weeks. The letter will document potential violations and concerns from the Ecology inspection at 222-S, WSCF and other facilities.

Impacts: Impacts will be assessed upon receipt of the Ecology letter.

Corrective Action: FH has initiated the Scope and Cost Management Process (SCMP) on the additional work scope imposed by the potential violations and concerns communicated by Ecology. 222-S and WSCF will provide estimates that will be rolled up with other FH organizations for consideration as new scope.

222-S RCRA Part B Application — Additional information was requested by Ecology regarding the 222-S RCRA Part B Application in a letter dated January 24, 2001. The letter stated that the 222-S Resource Conservation and Recovery Act (RCRA) Permit Part B Application was incomplete and outlined 11 deficiencies that needed response.

Impacts: Impacts continue to be assessed.

Corrective Action: The 222-S Laboratory Complex, Part A, Form 3, Revision 9 and Part B Dangerous Waste Permit Applications were certified by FH on February 23, 2001 and transmitted DOE-RL. The Applications are to be certified by RL (Keith Klein) by March 8, 2001 and submitted to Ecology by March 9, 2001 to meet the Ecology Hanford Facility Dangerous Waste Permit Modification F schedule. The Part A, Form 3, was revised to include illustrations that were modified to show the "loading/unloading areas" and removal of 26 dangerous waste numbers eliminated in accordance with Federal Register's (FR) 50 FR 51125, 62 FR 32977, and Washington Administrative Code (WAC) 173-303. The Part B was modified in response to Ecology's letter identifying eleven items that they determined to be incomplete.

External, DOE Issues and DOE Requests

Issue: None identified at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

| PROJECT CHANGE NUMBER | DATE ORIGIN. | BCR TITLE | COST IMPACT \$000 | S C H | T E C H | DATE | TO CCB | CCB APR'VD | RL | APR'VD | CURRENT STATUS |
|-----------------------------|--------------|--|-------------------------|-------------|------------------|----------|--------|---------------|----|--------|---|
| WM-2001-004 | 12/18/2000 | AS FY 2001 \$211K Base Operations Reduction | -\$211 | | | 01/24/01 | | | | | Approved and implemented in January 2001 baseline. |
| WM-2001-005 | 12/18/2000 | AS FY 2001 Carryover Workslope | \$681 | | | 01/24/01 | | | | | Approved and implemented in January 2001 baseline. |
| ADVANCE WORK AUTHORIZATIONS | | | | | | | | | | | |
| | | Nothing to report at this time. | | | | | | | | | |

KEY INTEGRATION ACTIVITIES

- Continue to support DOE-RL and ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) design and operation.
- Continue to support Waste Management headspace gas analyses for transuranic (TRU) waste shipment to WIPP.